



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5013-1

Job Sheet 200039



Part No: D5013-1

Job Qty: 10 pcs

Part Name: Bushing



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/6/19

Job Tracking No:

Due Date: 9/12/19

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG D5013 REV.C IPP REV:A 14.05.20 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier Lead Time	
100	Purchasing	10 pcs	9/12/19	9/12/19	0.00	0.00	Purchasing - 1	
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	10 pcs	9/12/19	9/12/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Container No: S218271



Part: D5013 - 1

Job No: 200039

Serial No/Batch: S218271

Revision: C

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 09/30/19

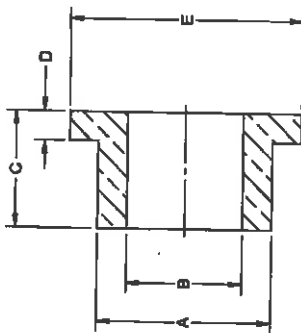
Plex 9/6/19 9:01 AM Dart.Lavoie.Chantal

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	10 pcs	9/12/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
					QC 6 - 81
130	Packaging 3-1 - Stock - B4B	10 pcs	9/12/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - SA	10 pcs	9/12/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53
Part Op 100 - ISSUE P/O: _____ SUPPLIER: MC MASTER CARR SUPPLIER P/N: 6381K425 C OF C IS Descriptions: REQUIRED 110 - (Receive & Inspect for Damage & Mat'l Certs) 120 - (QC6- All purchased or subcontracted products) 130 - (Identify as per dwg & Stock Location: _____) 140 - (QC21- Final Inspection - Work Order Release)					

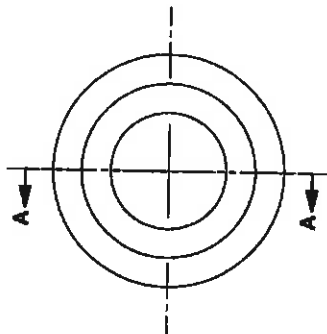
Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
6381K425	Bushing D5013-1	10 pcs (1 ea)	100-Purchasing	S210270
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	6381K425	10	1	0
Part Specifications				
Specifications could not be found.				

Plex 9/6/19 9:01 AM Dart.Lavoie.Chantal

SPECIFICATION CONTROL DRAWING



SECTION A-A



D5013-XX BUSHING

DART PIN	DART EUGENE PIN REF	A (φ)	B (φ)	C	D	E (φ)	MATERIAL	WEIGHT (lbs)	PREFERRED SUPPLIER	SUPPLIER PIN
D5013-1	N/A	0.375	0.313	0.250	N/A	N/A	SAE 660 (BRONZE)	0.002	MCMASTER CARR	6381K425
D5013-3	C2-12-1	0.377	0.252	0.250	0.063	0.468	SINTERED BRONZE	0.006	KAMAN INDUSTRIAL	SF-912-4
D5013-5	C2-4-1	0.627	0.502	0.375	0.063	0.875	SINTERED BRONZE	0.019	KAMAN INDUSTRIAL	SF-1820-8
D5013-7	N/A	0.625	0.500	0.375	0.125	0.875	SAE 841 (OILITE)	0.025	MCMASTER CARR	8338K417
D5013-9	N/A	0.375	0.250	0.375	0.063	0.500	SAE 841 (OILITE)	0.009	MCMASTER CARR	8338K412
D5013-11	N/A	0.625	0.500	0.500	N/A	N/A	SAE 841 (OILITE)	0.018	MCMASTER CARR	8391K212
D5013-13	N/A	0.313	0.250	0.500	N/A	N/A	SAE 660 (BRONZE)	0.004	MCMASTER CARR	6381K41
D5013-15	N/A	0.375	0.313	0.500	N/A	N/A	SAE 660 (BRONZE)	0.01	MCMASTER CARR	6381K427

C	ADDED -16, -1 PART CHANGED FOR 3/16 BOLT AND 1/2 INCH LONGER FOR STRENGTH. -15 MATERIAL CHANGED FOR STRENGTH.	A/S	14.04.23
B	REFER TO TABLE 1 SUPPLIER PIN WAS 6381K403, -7 SUPPLIER PIN WAS 6381K403, -7	A/S	14.03.13
A	NEW ISSUE	A/S	14.07.22
REV.	DESCRIPTION	BY	DATE
DESIGN	A/S		
DRAWN	ML		
CHECKED	DW		
MFG. APPR.	DD		
APPROVED	MP		
DE APPR.	D9		
DATE	14.04.23		

APPROVED

- NOTES:
- 1) MATERIAL: SEE CHART
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER QSI 044 6.7
 - 7) WEIGHT: SEE CHART

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO. D5013
REV. C
SHEET 1 OF 1
SCALE
NTS

RELEASED
2014-05-17



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044442



Supplier: MCM001-VU McMaster-Carr Supply Co, P.O. Box 7690 Chicago, IL 60680-7690 USA Phone: 330 995 5500 Fax: 330 995 9600 Attention: N/A, Ship To: 1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	PO No: POHB044442 PO Date: 9/6/19 Due Date: 9/10/19 Purchase Order Revision: Revision Date: Ship-To Contact: Lavoie, Chantal Phone: 613-623-5200 Ext: 242 Fax: 613-632-1053 clavoie@dartaero.com Via: Ground Pymt Terms: 2% 10 Net 30 Freight Terms: Special Comments:
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Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	200039	6381K425	1/pk	Bushing D5013-1	Firmed	-	9/10/19	10 pcs	0 pcs	10 pcs	\$4.02/pcs	\$40.20
2	200042	6391K212	1/pk	Bushing D5013-11 receive pcs	Firmed	-	9/10/19	10 pcs	0 pcs	10 pcs	\$1.01/pcs	\$10.10
3	200040	6381K427	1/pk	Bushing D5013-15 receive pcs	Firmed	-	9/10/19	10 pcs	0 pcs	10 pcs	\$3.91/pcs	\$39.10
4	200071	6718K52		Fitting, Quick Disconnect D4182-1 : AS PER DWG D4182 REV. B	Firmed	-	9/10/19	24 pcs	0 pcs	24 pcs	\$5.98/pcs	\$143.52
5		MDELRRNR1.750W	8572K27	M Delrin Round Bar, White	Firmed	-	9/10/19	5 ft	0 ft	5 ft	\$14.22/ft	\$71.10
Grand Total:												\$304.02



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Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044442



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE — none provide

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/6/19 2:24 PM Dart.Lavoie.Chantal

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB044442
Order Placed By
Chantal Lavole

McMaster-Carr Number
1842983-02

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09/06/2019

DAS
61
9-89

Line	Product	Ordered	Shipped
① 6381K425	Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 5/16" Shaft Diameter and 3/8" Housing ID, 1/4" Long	10 ✓ Each	10
② 6391K212	Oil-Embedded Bronze Sleeve Bearing for 1/2" Shaft Diameter and 5/8" Housing ID, 1/2" Long	10 ✓ Each	10
③ 6381K427	Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 5/16" Shaft Diameter and 3/8" Housing ID, 1/2" Long	10 ✓ Each	10
④ 6718K52	303 Stainless Steel Industrial Quick-Disconnect Hose Coupling for Air, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	24 ✓ Each	24

RECEIVED

SEP 6 9 2019

DART AEROSPACE LTD.